

What is claimed is:

1. A method of responding to at least one request for secure communication, comprising:

receiving the request from a client computer system

5 intended for a server;

generating a response to the request sineprocessly;

and

providing the response to the client computer system sineprocessly.

10 2. The method of claim 1 additionally comprising:

receiving from the client computer system a response to the response provided; and

providing the request to a server responsive to the receiving the response to the response step.

15 3. The method of claim 2:

wherein the providing a response step comprises assigning a first identifier to the request; and

additionally comprising:

receiving from the server a response to the request

20 provided to the server, said response to the request

provided to the server comprising a second identifier; and

associating the first identifier with the second identifier.

4. The method of claim 3 additionally comprising:

receiving from the client computer system following

5 the receiving from the server step a first subsequent communication comprising the first identifier; and

providing to the server a second subsequent communication comprising at least a portion of the first subsequent communication having the first identifier replaced with the second identifier.

5. The method of claim 4 wherein the providing to the server the second subsequent communication step is responsive to a first criteria corresponding to a second criteria of the server.

15 6. The method of claim 1 wherein the request comprises a client hello.

7. The method of claim 6 wherein the response comprises a server hello.

20 8. The method of claim 1 wherein at least one selected from the response and the request comprises a communication in at least one format selected from SSL and TLS.

9. A system for responding to at least one request for secure communication, comprising:

a client communications receiver having an input for receiving the request from a client computer system intended for a server, the client communications receiver for storing the request via an output;

an option selection manager having an input coupled to the client communications receiver output, the option selection manager for sineprocessly generating and providing at an output at least a portion of a response to the request; and

a response manager having a first input coupled to the client communication receiver output for receiving at least a portion of the request and a second input coupled to the option selection manager output for receiving the at least the portion of the response, the response manager for providing to the client computer system sineprocessly at least the portion of the response received at the second input.

10. The system of claim 9 additionally comprising:

a premaster secret manager having an input for receiving from the client computer system a response to the response provided, the premaster secret manager for

providing at an output, responsive to the response to the response provided, at least one selected from an identifier of the request and the request; and

a client communication provider having an input
5 coupled to the premaster secret manager output for receiving the one selected from the identifier of the request and the request, the client communication provider for providing at an output coupled to the server the request.

10 11. The system of claim 10, additionally comprising:

a session manager having an input coupled to the client communications receiver output for receiving at least a portion of the request, the session manager for assigning a first identifier to the request and storing the
15 assigned first identifier associated with the request via a first output; and

a response manager having an input operatively coupled for receiving from the server a response to the request provided to the server, said response to the request
20 provided to the server comprising a second identifier, the response manager for associating via an output the first identifier with the second identifier.

12. The system of claim 11 wherein the session manager is additionally for:

receiving at the session manager input from the client computer system after the response is received from the server a subsequent communication comprising the first identifier; and

providing to the server via a second output a second subsequent communication comprising at least a portion of the first subsequent communication having the first identifier replaced with the second identifier.

13. The system of claim 12 wherein the session manager provides to the server the second subsequent communication responsive to a first criteria corresponding to a second criteria of the server.

14. The system of claim 9 wherein the request comprises a client hello.

15. The system of claim 14 wherein the response comprises a server hello.

16. The system of claim 9 wherein at least one selected from the response and the request comprises a communication in at least one format selected from SSL and TLS.

17. A computer program product comprising a computer useable medium having computer readable program code embodied therein for responding to at least one request for secure communication, the computer program product
5 comprising computer readable program code devices configured to cause at least one computer to:

receive the request from a client computer system intended for a server;

generate a response to the request sineprocessly; and

10 provide the response to the client computer system sineprocessly.

18. The computer program product of claim 17 additionally comprising computer readable program code devices configured to cause the at least one computer to:

15 receive from the client computer system a response to the response provided; and

provide the request to a server responsive to the computer readable program code devices configured to cause the at least one computer to receive the response to the
20 response.

19. The computer program product of claim 18:

wherein the computer readable program code devices
configured to cause the at least one computer to provide a
response comprise computer readable program code devices
configured to cause the at least one computer to assign a
5 first identifier to the request; and

additionally comprising computer readable program code
devices configured to cause the at least one computer to:

receive from the server a response to the request
provided to the server, said response to the request
10 provided to the server comprising a second identifier; and

associate the first identifier with the second
identifier.

20. The computer program product of claim 19
additionally comprising computer readable program code
15 devices configured to cause the at least one computer to:

receive from the client computer system following the
receiving from the server step a first subsequent
communication comprising the first identifier; and

provide to the server a second subsequent
20 communication comprising at least a portion of the first
subsequent communication having the first identifier
replaced with the second identifier.

21. The computer program product of claim 20 wherein the computer readable program code devices configured to cause the at least one computer to provide to the server the second subsequent communication are responsive to a first criteria corresponding to a second criteria of the server.

22. The computer program product of claim 17 wherein the request comprises a client hello.

23. The computer program product of claim 22 wherein the response comprises a server hello.

24. The computer program product of claim 17 wherein at least one selected from the response and the request comprises a communication in at least one format selected from SSL and TLS.